

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022480.D
 Acq On : 30 May 2025 15:51
 Operator : SY/MD
 Sample : Q2160-06
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP05-MHH-VOC

Quant Time: May 31 02:29:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	267362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	484121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	387379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141766	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157120	55.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.580%
35) Dibromofluoromethane	7.634	113	146992	51.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.700%
50) Toluene-d8	10.109	98	579906	50.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.408	95	147051	42.062	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.120%

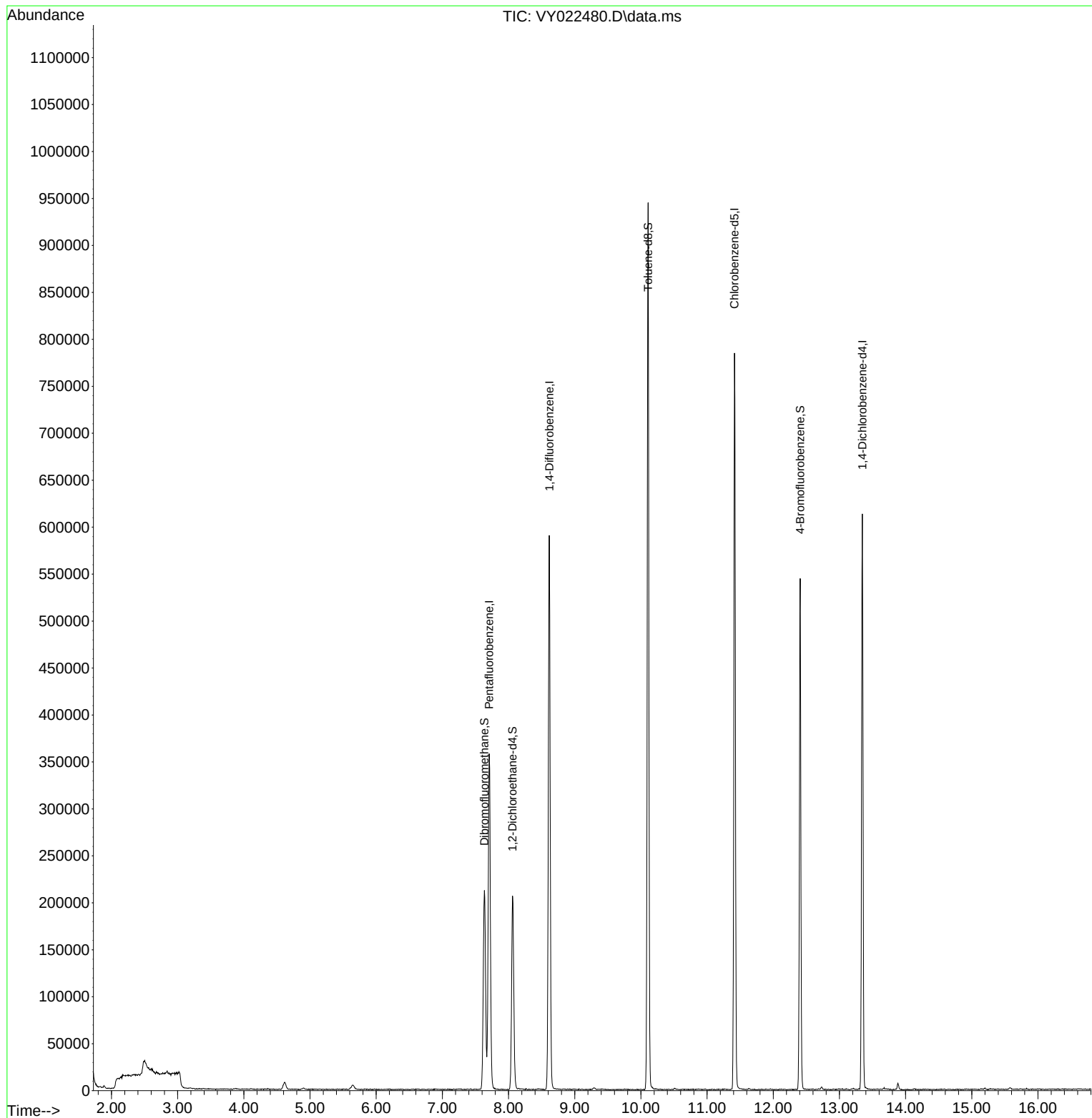
Target Compounds	Qvalue

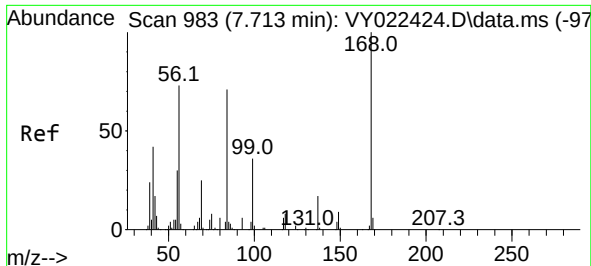
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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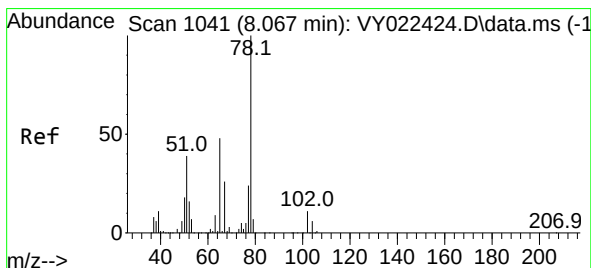
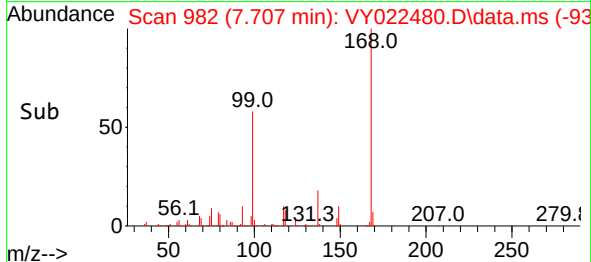
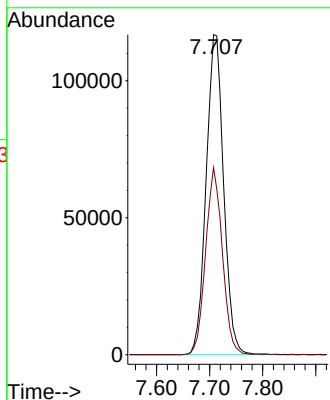
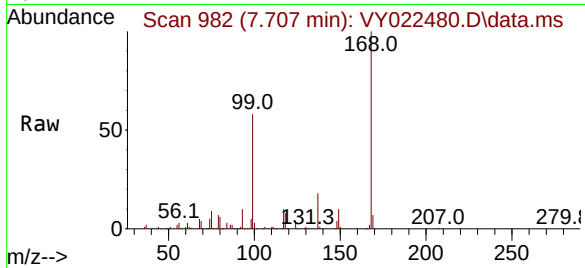




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

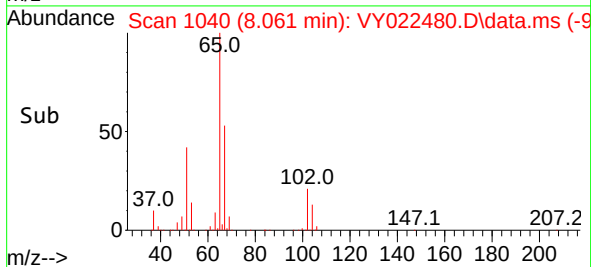
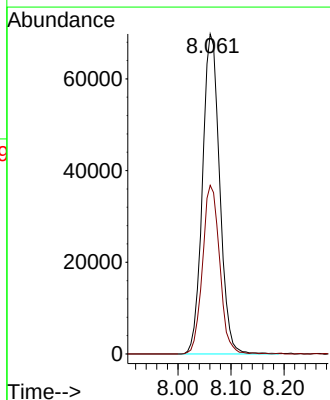
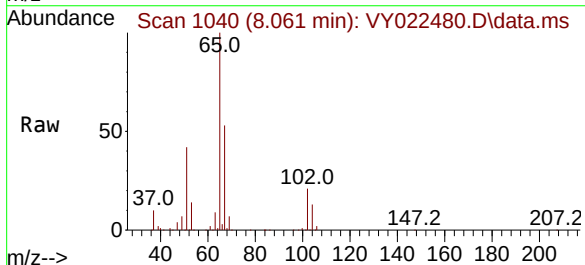
Instrument :
MSVOA_Y
ClientSampleId :
TP05-MHH-VOC

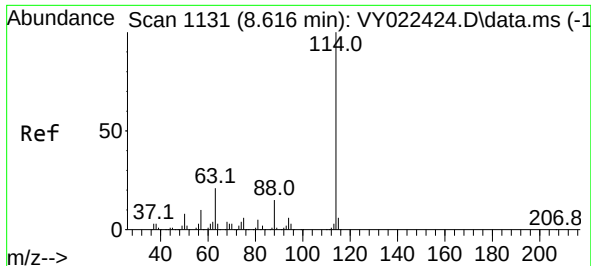
Tgt Ion:168 Resp: 267362
Ion Ratio Lower Upper
168 100
99 58.5 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 55.793 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

Tgt Ion: 65 Resp: 157120
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4

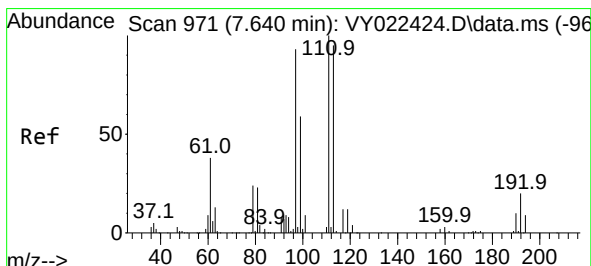
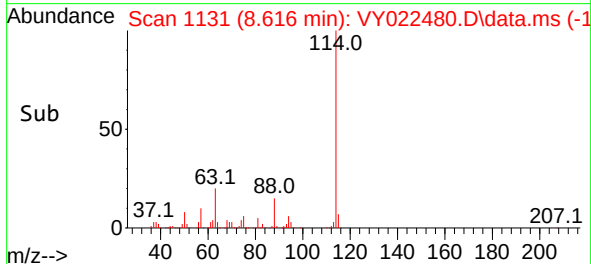
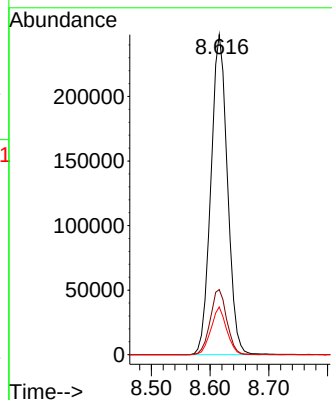
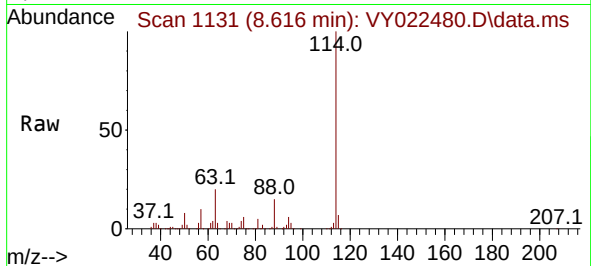




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

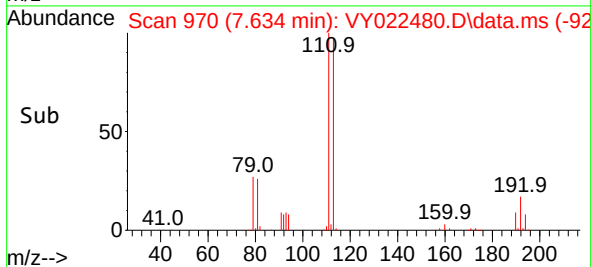
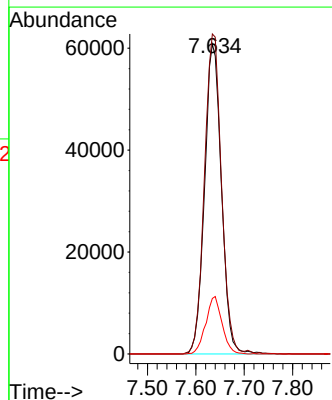
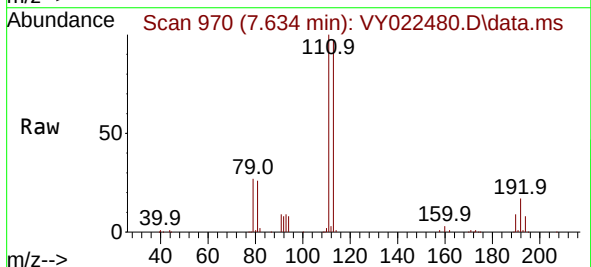
Instrument :
MSVOA_Y
ClientSampleId :
TP05-MHH-VOC

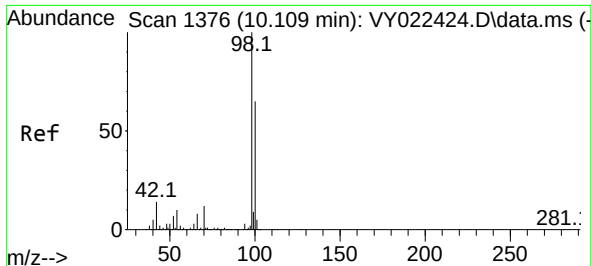
Tgt Ion:114 Resp: 484121
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.846 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

Tgt Ion:113 Resp: 146992
Ion Ratio Lower Upper
113 100
111 104.6 82.4 123.6
192 17.9 15.2 22.8

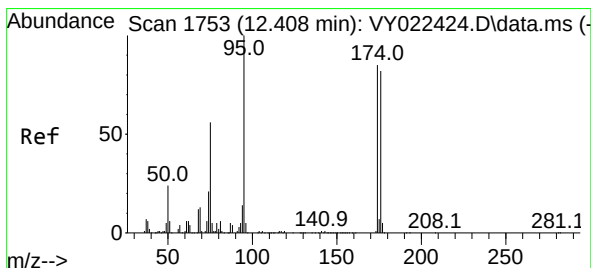
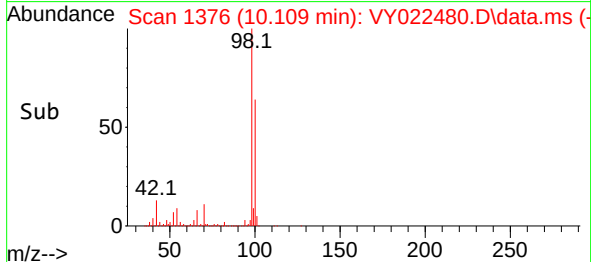
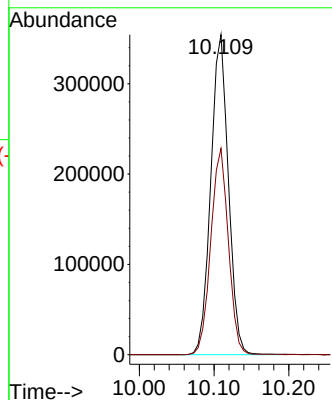
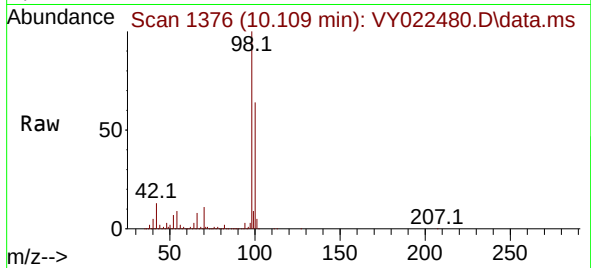




#50
Toluene-d8
Concen: 50.175 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

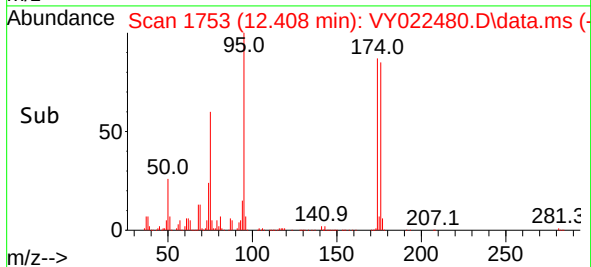
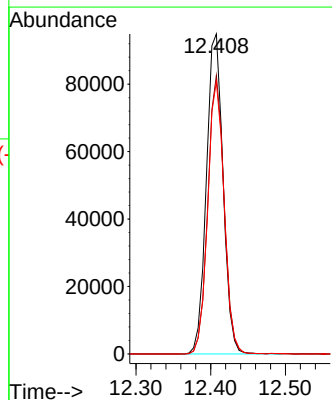
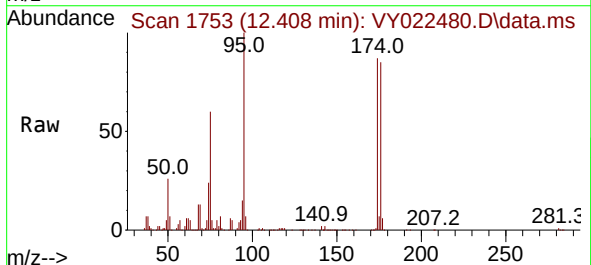
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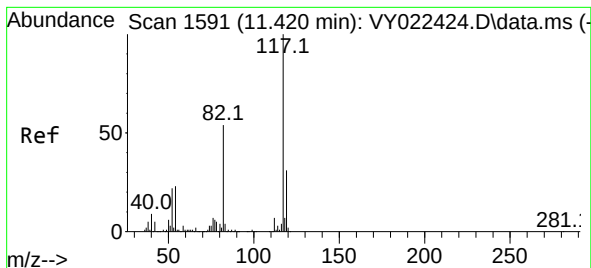
Tgt Ion: 98 Resp: 579906
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.062 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

Tgt Ion: 95 Resp: 147051
Ion Ratio Lower Upper
95 100
174 85.2 0.0 171.6
176 83.9 0.0 164.6

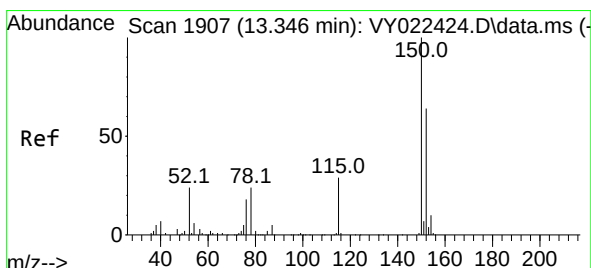
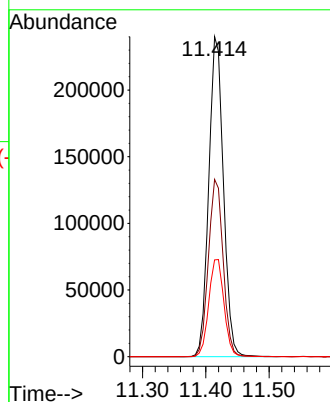
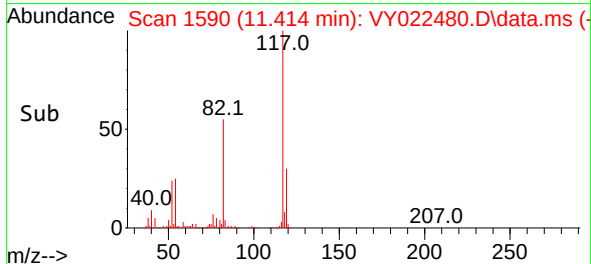
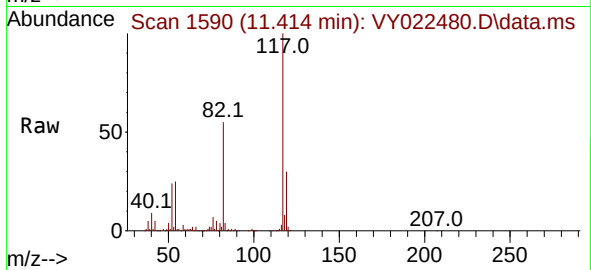




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

Instrument :
MSVOA_Y
ClientSampleId :
TP05-MHH-VOC

Tgt Ion:117 Resp: 387379
Ion Ratio Lower Upper
117 100
82 55.4 43.3 64.9
119 30.3 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022480.D
Acq: 30 May 2025 15:51

Tgt Ion:152 Resp: 141766
Ion Ratio Lower Upper
152 100
115 57.3 28.4 85.3
150 156.2 0.0 345.8

